Please type a plus sig	n (+) inside this box ——			Approved	for use throu	ob 10/31	PTO/SB/05 (03-0 /2002. OMB 0651-00
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(UTILITY			y Docket No.			
PATEN	IT APPLICATION	ł			008312-		
	RANSMITTAL	ŀ	First Inv	rentor	YUUKC	<u> MAI</u>	KI
1		}	Title I	DISK DRIVE	WITH C	OPY	FUNCTION
(Uniytornew nonprovis	sional applications under 37 CFR 1.5	53(b))	Express	Mail Label No.			
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See MPEP chapter 600 c	oncerning utility patent application of	contents.		, LOO 70.	Box Patent Washington		
(Submit an original and a	al Form (e.g., PTO/SB/17) a duplicate for fee processing)		7.	CD-ROM or CD	-R in duplica	te. large	table or
2 Applicant clain	ns small entity status.		0 No.	Computer Progr	am (Append	iy)	
See 37 CFR 1			o. Nuci (if ap	eotide and/or Amin plicable, all necess	o Acid Seque	nce Sub	omission
3. (preferred errengeme	Total Pages 23]	а. Г	Computer Rea		(CRE)	
- Descriptive t	title of the invention ence to Related Applications			pecification Sequen			
i Statement R	edarding Fed engagered D 9 D				DM or CD-R (
r Reference to	o sequence listing, a table, er program listing appendix			[7	>III OI OD-I()	z copies	s); or
- Background	Of the Invention		c. [-16.1		
i - Briet Summa	ary of the Invention of the Drawings (if filed)			Statements ve			
- Detailed Des	scription			CCOMPANYIN	IG APPLI	<u>CATIO</u>	NPARTS
Claim(s)	h. Br		9. X	Assignment Pa	apers (cove	rsheet	& document(s))
- Abstract of the	ne Disclosure		10. X	37 CFR 3.73(t (when there is	o) Statemer an assigne	it X	Power of Attorney
4. X Drawing(s) (35 (U.S. C. 113) [Total Sheets 7	\square ,	11.	English Trans			- Allomey
5. Oath or Declaration	[Total Pages 2	三:	12. X	Information D	isclosure		
a. X Newly exe	· · · · · · · · · · · · · · · · · · ·	/ /		Statement (ID	S)/PTO-14	لاما 19	Copies of IDS Citations
b. Copy from	ecuted (original or copy) a a prior application (37 CFR 1.63 ((d))	13.	Preliminary A	mendment		
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i. DELE	TION OF INVENTOR(S)		15. X	Contition Com.			
named in	statement attached deleting inventor(s) n the prior application, see 37 CFR		1 =				
1.63(d)(2)) and 1.33(b).		16.	Nonpublication (b)(2)(B)(i), Apr	request u dicantmust	nder 35	5 U.S.C. 122 form PTO/SB/35
6. X Application Data	Sheet. See 37 CFR 1.76		l	or its equivaler	nt.		
			17. X	Other Discol	ground A	rt Inf	ormation
or in an Application Data S	LICATION, check appropriate box, a Sheet under 37 CFR 1, 76:	nd supply	the requis	ite information be	osure Sta	prelimi	inaryamendment
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Priorapplication information:	Divisional Continuation-in-particular Examiner	rt (CIP)	of	prior application No.:		′	
FOR CONTINUATION OR DIVISI	OUAL APPA	of the net		Group Art Unit:			
The incorporation can only	ONAL APPS only: The entire disclosure of the disclosure of the accompanying be relied upon when a portion in	continuation	n or divisio	nal application and	oath or decla is hereby in	ration is corporate	supplied under ed by reference.
	19. CORRESP				application	parts.	
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Name (Print/Type)	Glenn J. Perry	-		inotion Al. (A)	====		====
Signature	the Ha		Negisi	tration No. (Attor	ney/Agent)	2845	8
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10/023040 07/22/03

PTO/SB/06 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays Application or Docket Number PATENT APPLICATION FEE DETERMINATION RECORD OTHER THAN CLAIMS AS FILED-PART I **SMALLENTITY SMALL ENTITY** (Column 2) (Column I) FOR **NUMBERFILED NUMBER EXTRA** RATE RATE FEE FEE **BASIC FEE** \$ <u>750</u> \$ OR (37 CFR 1.16(a)) TOTALCLAIMS minus 20 =\$_18 15 0 OR (37 CFR 1.16(c)) INDEPENDENTCLAIMS minus 3 =OR x 84 =0 (37 CFR 1.16(b)) MULTIPLE DEPENDENT CLAIM PRESENT (37CFR 1.16(d)) OR 750 **TOTAL** TOTAL * If the difference in column 1 is less then zero, enter "0" in column 2 OR **OTHER THAN** CLAIMS AS AMENDED - PART II OR **SMALL ENTITY SMALLENTITY** (Column 1) (Column 2) (Column 3) **CLAIMS HIGHEST** ADDI-ADDI-REMAINING **NUMBER** PRESENT **RATE** TIONAL RATE **TIONAL AMENDMENT AFTER PREVIOUSLY EXTRA FEE** FEE AMENDMENT PAID FOR OR Total Minus (37 CFR 1.16(c)) OR Independent *** Minus = = (37 CFR 1.16(b)) OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) OR TOTAL TOTAL OR ADDIT.FEE ADDIT. FEE (column 1) (Column 2) (Column 3) **CLAIMS** HIGHEST ADDI-ADDI-2 REMAINING **NUMBER PRESENT** RATE TIONAL TIONAL RATE **AMENDMENT AFTER PREVIOUSLY EXTRA FEE FEE** AMENDMENT PAID FOR OR Total (37 CFR 1.16(c)) = Minus OR Independent *** Minus = (37 CFR 1.16(b)) OR (37 CFR 1.16(d)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM OR' TOTAL TOTAL OR ADDIT. FEE ADDIT. FEE (column 1) (Column 2) (Column 3) **CLAIMS** HIGHEST ADDI-ADDI-REMAINING PRESENT NUMBER **RATE** TIONAL **RATE TIONAL AMENDMENT AFTER PREVIOUSLY EXTRA** FEE FEE AMENDMENT PAID FOR OR Total (37 CFR 1.16(c)) Minus OR Independent *** Minus <u>~</u> = OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM OR TOTAL TOTAL OR * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ADDIT. FEE ADDIT. FEE ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

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The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

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PTO/SB/17 (01-03)

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FEE	TRA	ANS	ПМ	TAL
	for F	Y 2	2003	

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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Complete if Known					
Application Number					
Filing Date	July 22, 2003				
First Named Inventor	YUUKO MAKI				
Examiner Name					
Art Unit					
Attanana Dankat Na	008312-0305076				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	ne 3. ADDITIONAL FEES					
X Deposit Account:	Large Entity Small Entity					
Deposit	Fee Code		Fee Code	Fee (\$)	Fee Description	Fee Paid_
Account Number 033975	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account PILLSBURY WINTHROP LLP	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	<u> </u>
X Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*		
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month	
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for reply within fourth month	
1004 750 10004 075 1886 588 55	1255	1,970	2255	985	Extension for reply within fifth month	
1001 750 2001 375 Guilty filing fee 750.00	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 750.00		110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,300	2453	650	Petition to revive - unintentional	·
Fee from	1501 1502	1,300	2501	650	Utility issue fee (or reissue)	
Total Claims 15 -20** = 0 X = 0		470	2502		Design issue fee	
		630	2503		Plant issue fee	
Claims	1460	130	1460	130	Petitions to the Commissioner	
Large Entity Small Entity	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Fee Fee Fee Fee Description	1806	180	1806	180	Submission of Information Disclosure Stmt Recording each patent assignment per	
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	property (times number of properties)	40.00
1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375		
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
	Other fee (energify)					
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00						

SUBMITTED BY	(Complete (if applicable)			
Name (Print/Type)	Glenn J. Perry	Registration No. (Attorney/Agent) 28458	Telephone	(703) 905-2161
Signature	ALP-7		Date	July 22, 2003

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